

#1
two diverging planes where said branches connect to said base and the intersection of said two planes is within the base of the U-shape, and

wherein one of said first and second branches and the base are coplanar, and where the first and second branches are formed integrally with said base.

#2
3. (Three Times Amended) A connector according to claim 1, characterized in that electrical contact of at least one of said first and second branches is made at the free end of said branch.

5. (Six Times Amended) An electrical connector, comprising:

a first face,

a second face opposite said first face, and

at least one housing for receiving a spring contact and opening onto both of said first and second faces,

#3
wherein said spring contact is substantially U-shaped and has first and second branches and a base joining said first and second branches at one end for forming said U-shape, each of said first and second branches complete an electrical circuit with a device, characterized in that said first and second branches lie in two diverging planes and the intersection of said two planes is within the base of the U-shape, and one of said first and second branches and the base are coplanar; and

3 wherein the spring contact is positioned in the housing so that the plane containing the base of the U-shape is substantially parallel to respective planes of the faces of the connector.

9. (Four Times Amended) An electrical connector, comprising:

a first face;

a second face opposite said first face; and

4 a plurality of housings opening onto at least one of said first and second faces and each housing receiving a respective spring contact which is substantially U-shaped and has first and second branches and a base joining said first and second branches at one end for forming said U-shape, wherein each of said first and second branches complete an electrical circuit with a device, characterized in that said first and second branches lie in two diverging planes and the intersection of said two planes is within the base of the U-shape, and one of said first and second branches and the base are coplanar, further characterized in that the spring contacts in two adjacent housings are positioned so that they are substantially parallel but the opposite way round to each other, one of said first and second branches of one contact being adjacent the other of said first and second branches of the adjacent contact.

5 12. (Amended) An electrical connector, comprising:

a first face;

a second face opposite said first face; and

45
a plurality of housings opening onto at least one of said first and second faces and each housing receiving a respective spring contact which is substantially U-shaped and has first and second branches and a base joining said first and second branches at one end for forming said U-shape, each of said first and second branches complete an electrical circuit with a device, characterized in that said first and second branches lie in two diverging planes and the intersection of said two planes is within the base of the U-shape, and one of said first and second branches and the base are coplanar, wherein electrical contact of at least one of said first and second branches is made at the free end of said branch, further characterized in that the spring contacts in two adjacent housings are positioned so that they are substantially parallel but the opposite way round to each other, one of said first and second branches of one contact being adjacent the other of said first and second branches of the adjacent contact.

13. (Amended) An electrical connector, comprising:

a first face;

a second face opposite said first face; and

a plurality of housings opening onto at least one of said first and second faces and each housing receiving a respective spring contact which is substantially U-shaped and has first and second branches and a base joining said first and second branches at one end for forming said U-shape, each of said first and second branches complete an electrical

115
circuit with a device, characterized in that said first and second branches lie in two diverging planes and the intersection of said two planes is within the base of the U-shape, and one of said first and second branches and the base are coplanar, wherein one of said first and second branches is adapted to come in contact with a first electrical device and the other of said first and second branches is adapted to come into contact with a second electrical device, further characterized in that the spring contacts in two adjacent housings are positioned so that they are substantially parallel but the opposite way round to each other, one of said first and second branches of one contact being adjacent the other of said first and second branches of the adjacent contact.

14. (Amended) A connector, comprising:

a spring contact, wherein said spring contact is substantially U-shaped and has first and second branches and a base joining said first and second branches at one end for forming said U-shape, and wherein said first branch completes an electrical circuit with a first device and said second branch completes an electrical circuit with a second device, characterized in that said first and second branches lie in two diverging planes and the intersection of said two planes is within the base of the U-shape, and wherein one of said first and second branches and the base are coplanar.

AMENDMENT UNDER 37 C.F.R. § 1.111
U.S. Application No.: 09/673,614

Our Ref.: Q61365
Art Unit: 2833

15. (Amended) A connector according to claim 14, characterized in that electrical
contact of at least one of said first and second branches is made at the free end of said
branch.
